

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**Robert S. Beach**

Application No.: 09/827,278

Filed: April 4, 2001

For: SPIN VALVE SENSOR WITH AN  
ANTIFERROMAGNETIC LAYER BETWEEN  
TWO PINNED LAYERS

Assistant Commissioner for Patents  
Box Missing Parts  
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION  
(FILING DATE GRANTED)

Sir:

In response to the Notice to File Missing parts of Application (Filing Date  
Granted) mailed May 18, 2001, please find enclosed:

- (1) a duly executed Declaration and Power of Attorney with respect to  
the above-referenced patent application;
- (2) a check in the amount of \$130.00 in payment of the surcharge of  
37 C.F.R. § 1.16(e);
- (3) a copy of the Notice to File Missing Parts of Application;

I hereby certify that this correspondence is being deposited with the  
United States Postal Service as first class mail with sufficient postage  
in an envelope addressed to the Assistant Commissioner for Patents,  
Washington, D.C. 20231

on July 12, 2001

Date of Deposit

Janece Shannon  
Name of Person Mailing Correspondence

Janece Shannon  
Signature

7-12-01  
Date

- 1 -

(LJV/cak 10/22/96)

If any additional fee is required, please charge Deposit Account No. 02-2666. A duplicate of this Response is enclosed for deposit account charging purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7/12/01



---

Robert B. O'Rourke  
Reg. No. 46,972

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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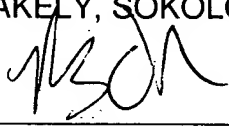
on July 12, 2001  
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Janece Shannon  
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Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7/12/01

  
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Robert B. O'Rourke  
Reg. No. 46,972

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**      **DOCKET: SJ0919990038US2-003594.P023X**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC  
LAYER BETWEEN TWO PINNED LAYERS**

the specification of which (check one)

\_\_\_\_\_ is attached hereto.

☒ was filed on 04/04/2001

as Application Serial No. 09/827,278

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

None

(Number)

(Country)

(Day/Month/Year Filed)

Yes

No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/615,158

July 13, 2000

Pending

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

**DOCKET: SJ0919990038US2-003594.P023X**

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Abdy Raissinia (#38,686)

Douglas R. Millett (#31,784)

Paik Saber (#37,494)

Edward A. Pennington (#32,588)

Christopher A. Hughes (#26,914)

Joseph C. Redmond, Jr. (#18,753)

John E. Hoel (#26,279)

Randall J. Bluestone (#40,518)

Robert B. Martin (#26,945)

William D. Gill (#44,124)

**Send correspondence to:**

Robert B. O'Rourke, Esq.  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, California 90025-1026

**Direct Telephone Calls to:**

Robert B. O'Rourke  
(408) 720-8300

**Full name of sole or first joint-inventor: Robert S. Beach**

**Inventor's signature:**



**Date:**

7-11-01

**Residence:** Los Gatos, California

**Citizenship:** U.S.A.

**Post Office Address:** 16173 Roseleaf Lane  
Los Gatos, California 95032



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/827,278	04/04/2001	Robert S. Beach	003594.P023X

CONFIRMATION NO. 6618

## FORMALITIES LETTER



\*OC000000006091878\*

Robert B. O'Rourke  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
Seventh Floor  
12400 Wilshire Boulevard  
Los Angeles, CA 90025-1026

Date Mailed: 05/18/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

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*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

Serial/Patent No.: 09/827,278 Filing/Issue Date: April 4, 2001  
Client: IBM, Storage Systems Division  
Title: SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC LAYER BETWEEN  
TWO PINNED LAYERS  
BSTZ File No.: 03594P023X Atty/Secy Initials: JPW/ROR/jis  
Date Mailed: July 12, 2001 Docket Due Date: July 18, 2001  
The following has been received in the U.S. Patent & Trade Mark Office on the date stamped hereon:  

<input type="checkbox"/> Amendment/Response (____ pgs.)	<input type="checkbox"/> Express Mail (____ pgs.)	<input checked="" type="checkbox"/> Check No. <u>44086</u>
<input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)	<input type="checkbox"/> _____ Month(s) Extension of Time	Amt: <u>130.00</u>
<input type="checkbox"/> Application - Utility (____ pgs., with cover and abstract)	<input type="checkbox"/> Information Disclosure Statement & PTO 1449 (____ pgs.)	<input type="checkbox"/> Check No. _____
<input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)	<input type="checkbox"/> Issue Fee Transmittal	Amt: _____
<input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)	<input type="checkbox"/> Notice of Appeal	
<input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)	<input type="checkbox"/> Petition for Extension of Time	
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)	<input type="checkbox"/> Petition for _____	
<input type="checkbox"/> Application - Design (____ pgs.)	<input checked="" type="checkbox"/> Postcard	
<input type="checkbox"/> Application - PCT (____ pgs.)	<input type="checkbox"/> Power of Attorney (____ pgs.)	
<input type="checkbox"/> Application - Provisional (____ pgs.)	<input type="checkbox"/> Preliminary Amendment (____ pgs.)	
<input type="checkbox"/> Assignment and Cover Sheet	<input type="checkbox"/> Reply Brief (____ pgs.)	
<input type="checkbox"/> Certificate of Mailing	<input checked="" type="checkbox"/> Response to Notice of Missing Parts (In duplicate)	
<input checked="" type="checkbox"/> Declaration & POA ( <u>2</u> pgs.) (Executed)	<input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business	
<input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs.)	<input type="checkbox"/> Transmittal Letter, in duplicate	
<input type="checkbox"/> Drawings: _____ # of sheets includes _____ figures	<input type="checkbox"/> Fee Transmittal, in duplicate	

  
☒ Other: Notice To File Missing Parts (Filing Date Granted).  
Certificate of First Class Mailing with copy of postcard  
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BLAKELY, SOKOLOFF

A PARTNERSHIP INCORPORATED

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San Francisco, CA

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44086

44086

July 12, 2001

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Director of the United States  
Patent & Trademark Office  
Washington, DC 20231-0001

*MSN*

TO  
THE  
ORDER  
OF

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DETACH AND RETAIN THIS STATEMENT  
OR ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW  
THIS CHECK. IT IS THE POLICY OF PROMPTLY NOT BE CREDITED

Invoice: 07/12/2001 Amount: 130.00  
3594.P023X - IBM, Storage Systems Division  
ROR/js  
Missing Parts  
Title: "Spin Valve Sensor With An Antiferromagnetic Layer B  
etween Two Pinned Layers"  
Inventor: Robert S. Beach  
Application No.: 09/827,278  
Filed: April 4, 2001

44086

# FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

on July 12, 2001  
Date of Deposit

Janece Shannon  
Name of Person Mailing Correspondence

Janece Shannon 7-12-01  
Signature Date

Serial/Patent No.: 09/827,278

Filing/Issue Date: April 4, 2001

Client: IBM, Storage Systems Division

Title: SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC LAYER BETWEEN TWO PINNED LAYERS

BSTZ File No.: 03594P023X

Atty/Secy Initials: JPW/ROR/js

Date Mailed: July 12, 2001

Docket Due Date: July 18, 2001

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